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WHAT IS CLAIMED IS:

- 1. A method for conditioning comminuted tobacco material by heating and moistening with water vapor, wherein:
- 5 a) said comminuted tobacco material free-falls down through a chamber operating in a continuous process; and
 - b) is treated during said free-fall with water vapor via nozzles, wherein
 - c) a hyperbaric pressure is maintained in said chamber.
- 10 2. The method as set forth in claim 1, wherein an absolute pressure of more than 1 bar is maintained in said chamber.
 - 3. The method as set forth in claim 1, wherein an absolute pressure of 2 to 10 bars is maintained in said chamber.
 - 4. The method as set forth in claim 1, wherein saturated vapor is introduced into said chamber through nozzles.
 - 5. The method as set forth in claim 1, wherein saturated vapor or superheated vapor with a temperature in the range 100°C to 200°C is introduced into said chamber.
 - 6. A device for conditioning comminuted tobacco material by heating and moistening with water vapor, comprising:
 - a) a chamber in which said comminuted tobacco material free-falls downwards;
- 25 b) a cellular wheel sluice at each of the upper inlet and the lower outlet of said chamber; and
 - c) nozzles for treating said free-falling, comminuted tobacco material with water vapor; wherein:
 - d) both cellular wheel sluices are formed as pressure differential proof sluices,
 - e) such that a hyperbaric pressure of more than 1 bar is maintained in said chamber.
 - 7. The device as set forth in claim 6, wherein said nozzles are formed as ring nozzles.

- 8. The device as set forth in claim 7, wherein said ring nozzles are arranged flush with the inner surface of said chamber.
- 5 9. The device as set forth in claim 6, wherein the discharge direction of said nozzles is inclined downwards.
- 10. The device as set forth in claim 6, wherein said discharge direction of said nozzles, seen in a horizontal plane, extends at an angle of about 90° to the circumferential direction of said chamber.
 - 11. The device as set forth in claim 6, wherein said chamber is provided with a heating jacket.
 - 12. The device as set forth in claim 11, wherein said heating jacket is heated using vapor.

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- 13. The device as set forth in claim 6, wherein said chamber expands in an approximately tapered manner downwardly.
- 14. The device as set forth in claim 6, wherein said lower cellular wheel sluice, formed as a discharge sluice, has a slightly higher conveying volume than said upper cellular wheel sluice, formed as a feed sluice.
- 15. The device as set forth in claim 6, wherein an airflow dryer is connected to said lower cellular wheel sluice.